

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/IB2004/051231

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 G02F1/1335 G02B5/02 G03F7/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 G02F G02B G03F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 6 380 995 B1 (KIM YONG BEOM) 30 April 2002 (2002-04-30) the whole document	18,21
Y	idem	19,20
A	idem	1-17
Y	US 6 285 426 B1 (AKINS ROBERT BENJAMIN ET AL) 4 September 2001 (2001-09-04) the whole document	19,20
A	US 4 698 238 A (OKANO HARUO ET AL) 6 October 1987 (1987-10-06) the whole document	1



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

## \* Special categories of cited documents :

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- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

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\*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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\*&\* document member of the same patent family

Date of the actual completion of the International search

7 October 2004

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15/10/2004

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**INTERNATIONAL SEARCH REPORT**

Information on patent family members

International Application No  
PCT/IB2004/051231

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
US 6380995	B1	30-04-2002	KR 2000013240 A	06-03-2000
US 6285426	B1	04-09-2001	NONE	
US 4698238	A	06-10-1987	JP 61187237 A DE 3604342 A1 GB 2172246 A ,B	20-08-1986 14-08-1986 17-09-1986